

AACTAGATGCAGCACCAATCACTACCAACGTACCAATCATATACCAATAATGTTACTAATAATGTTACCAATAACTATGGTTATAAAGATGGTGTCAATTAAATCAATATTAGTTCCCTATATTAA	125
<hr/>	
M V S F K S I L V P Y I	
CACTCTTTAAATGAGGGTGCTGTCTTCAAGTGATACCGATCCCGAAGCTGGTGGCCTAGTGAAGCTGGTGGCCTAGTGGAACTGTGGCCAGTGAAGCTGGTGGCCTAGTGAAGCT	250
<hr/>	
Repeat Sequences	
TLFLMSGAVFASDTDP E A G G P S E A G G P S G T V G P S E A G G P S E A	
GGTGGCCCTAGTGAAGCTGGTGGCCTAGTGAAGCTGGTGGCCTAGTGAAGCTGGTGGCCTAGTGAAGCTGGTGGCCTAGTGAAGCTGGTGGCCTAGTGAAGCTGGTGGCCTAGTGAAC	375
<hr/>	
Repeat Sequences	
G G P S G T G W P S E A G G P S E A G G P S E A G G P S G T G W P S G T	
TGGTTGGCCTAGTGAACGCTGGTGGTCTAGTGAACGATTGGATATCAGCTTCCGTATTCTAGAAGAAATAGTTATTTAATGAAGTTGGTTATCTTATATACAAACATAGTGTATGA	500
<hr/>	
Repeat Sequences	
G W P S E A G W S S E R F G Y Q L L P Y S R R I V I F N E V C L S Y I Y K H S V N	
TATTGGAACGAGATAGGGTGAACGATGGTCATAAGACTACATTGAAGAAAAACCAAGGAGAAGAATAAATTGAAAAAGATTGGAAAATGTTTCCCTGAACAATATTCCCTTATGAAGAAA	625
<hr/>	
I L E R D R V N D G H K D Y I E E K T K E K N K L K K E L E K C F P E Q Y S L M K K	
GAAGAATTGGCTAGAATATTGATAATGCATCCACTATCTCTCAAAATAAACTTATTGGTGTGATGAAATATCAAACAAAGGCTATGGTACATTGGAAAGGTCAGCTGCTGATAATTGGACCA	750
<hr/>	
E E L A R I F D N A S T I S S K Y K L L V D E I S N K A Y G T L E G P A A D N F D H	
TTCCGTAATATATGGAAGTCTATTGACTTAAAGATATGTTATATATTGTGACTTATTATTACAACATTAACTTATCTATAAATTCTATTATGACAATACCGTTAATGATATCAAGAAAATTG	875
<hr/>	
F R N I W K S I V L K D N F I Y C D L L L Q H L I Y K F Y Y D N T V N D I K K N F	
ACGAATCCAATCTAAAGCTTAGTTGAGGGATAAGATCACTAAAAGGATGGAGATTATAACACTCTTTGAGGACATGATTAAGGAGTTGAATAGTGCAGCAGAAGATTAAATAAAATT	1000
<hr/>	
D E S K S K A L V L R D K I T K K D G D Y N T H F E D M I K E L N S A A E E F N K I	
GTGACATCATGATTCCAAACATTGGGATTATGATGAGTATGACAGTATGCAAGTTCAACCATTTCTTCATGATCACCGAAATCACTAAAATCACCAAAAGTTCTAATGTAATAATTCC	1125
<hr/>	
V D I M I S N I G D Y D E Y D S I A S F K P F L S M I T E I T K I T K V S N V I I P	
TGGAATTAGGCACTAACTTAAACGTTTTAAATATTAAACAAATAGATGTAATACCAAGATGTATACATTATATTACAAAAATTACACATTATTTATGTATGAACGAACGAAACAT	1250
<hr/>	
G I K A L T L T V F L I F I T K	

Fig. 1A

CTCAGCTAAATGAAGAAATTGGGATAAATATGAAATAGATTAAAGTAACATGAGAAAGATGAATATAATTAGAATATGAAATTAAACAGAAATAAAATGAAGTAAAGAGTGTATTTGT	1375
AATAATTATAATAAATTAGTATAACATGATTATACAGATGACTATTGATTGTATCAATTAAATTGATTATAATGATATCATATATGTATATGTTATGATTGATTGTTATACGT	1500
TGTGAATATGTTATATAATGACATACTATAATAATTAAATATGAGGGATTTTTTAATAGTATTAAATGAATTATAGTTATAATTATAATAATGAGATAAAATGACATTAAATT	1625
GAATGTTAAATTGAAATGTATGAAAAATGTATTTATACTGAAATTGATTAATAATATAATTCTACAATTAAATTGTTGTAATTATAATTGATTATTAATCTTGAATTATT	1750
ATAAAATAATTACTTCATTAATTTCACATAATTTCACAAATTATTCTTTATCTTAATGTTATCCAATTTCACACATCTTCTTCATTACAATTTCACATCTGATGC	1875
TCATATTCAATTCTTAGAAATATAACAAAATTAGATGTAACCTCCCACTTACAAGTAAACTACCATCAATAATAATTGAATACCATTCATGTCGGTATTCATTATTTTATC	2000
ATATTTTATTTGTGATTATCCATTCAATTGTATCAATTCAATGAGAGAAATAAGCAGAAAGATCCTCTATAGAAACATAAAATTCAATTAAACTGATTATTGTTGCAAGTATA	2125
GATGTTAAATCAATAACACTACCACTTGGTAATTAGCATTTGTCATCAAATTCAATTATATAATCAGAAATTGATTATCAATTTCATTGGATGTGATAATTATTTGTTGTATTCA	2250
CGATCATGTATACAAACTATTGTTAAAGGTTCCCTATCCTATAATTAAAGTGGCAATAAGATTGGCATTAAATTACATTAGTAGTGTGTATTGTAATAGTATCATTAGTGGTACTGACA	2375
GTTGTTATAGGTTTGATTTCATAATGAAACATCATTATCTACACAATACA	2430

Fig. 1B

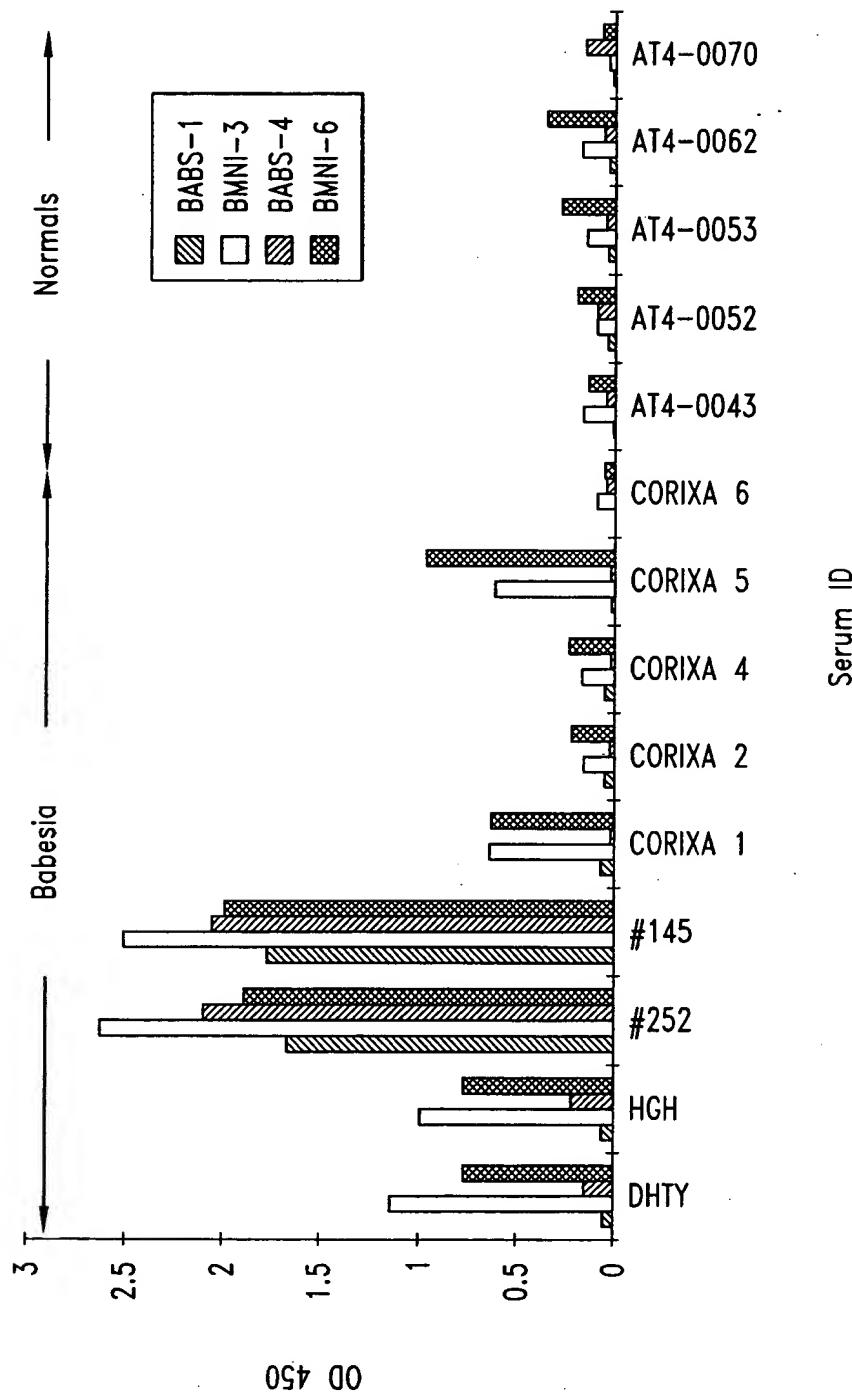
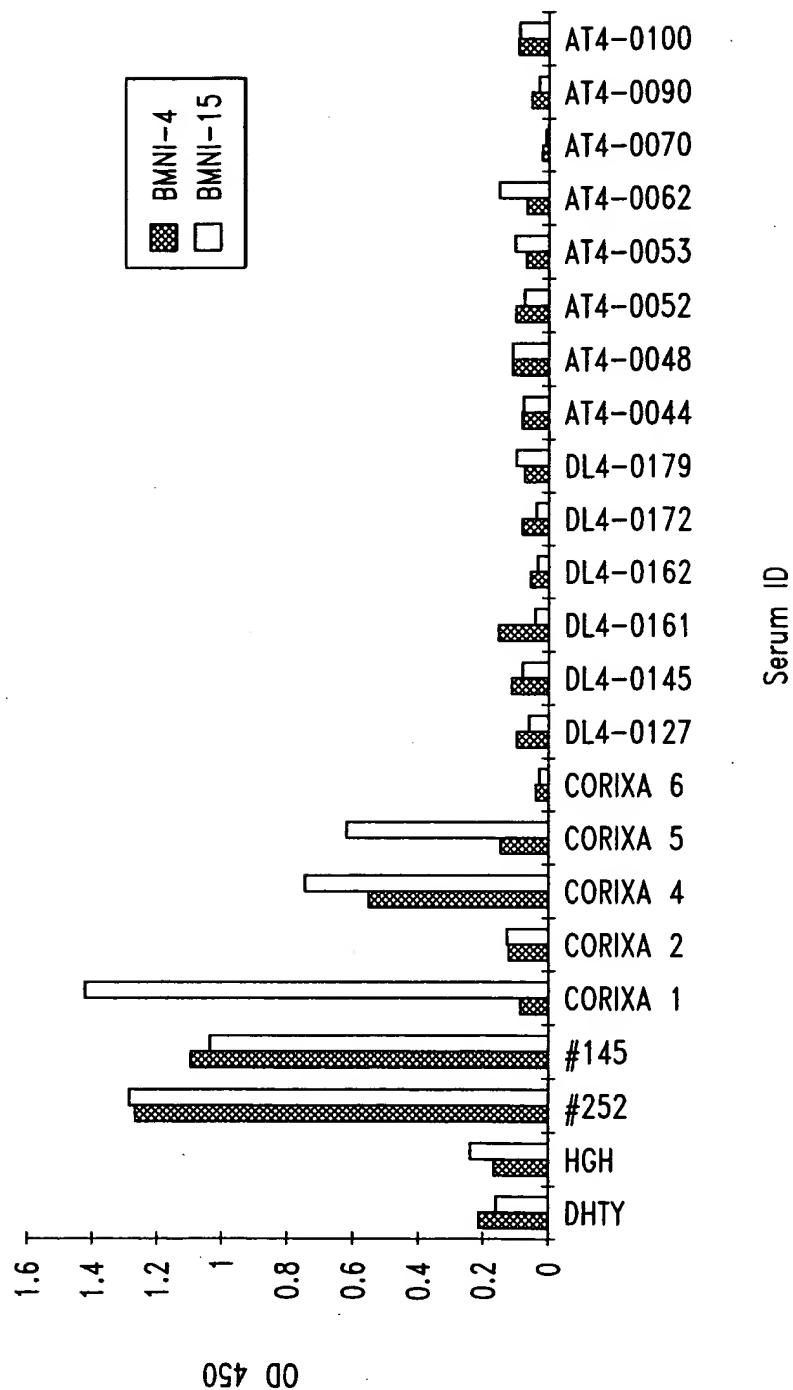


Fig. 2A

Fig. 2B



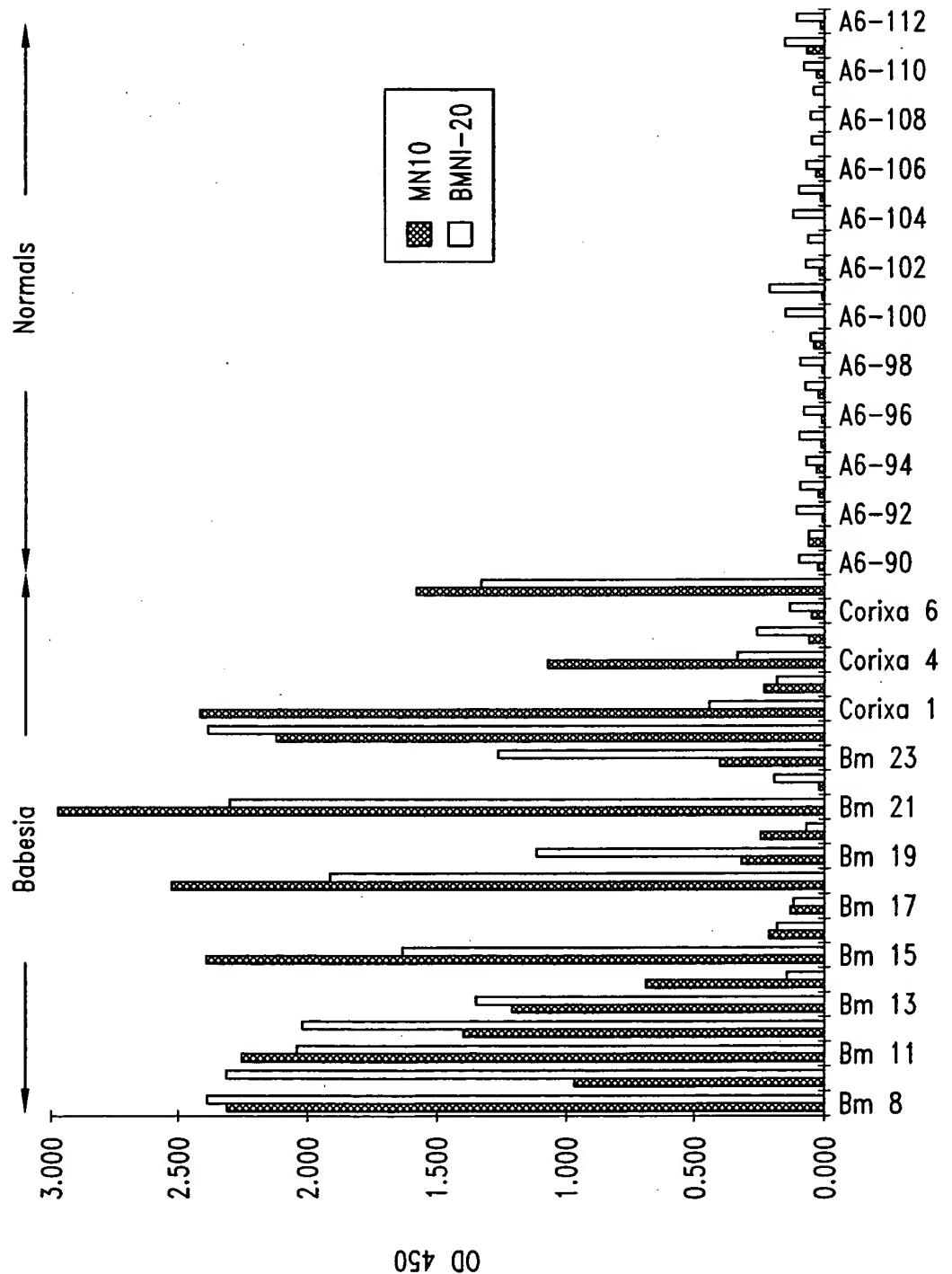


Fig. 3

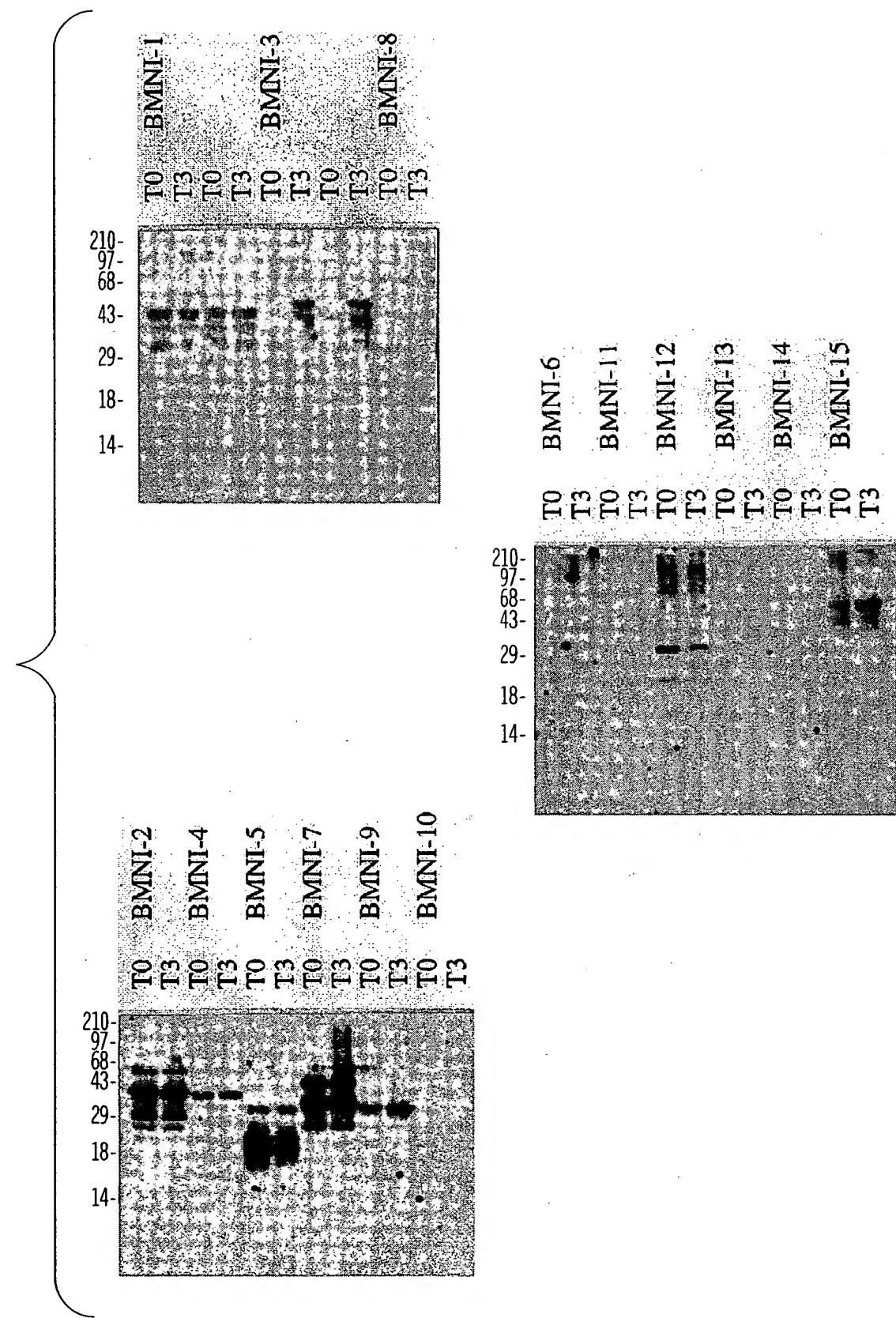


Fig. 4

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

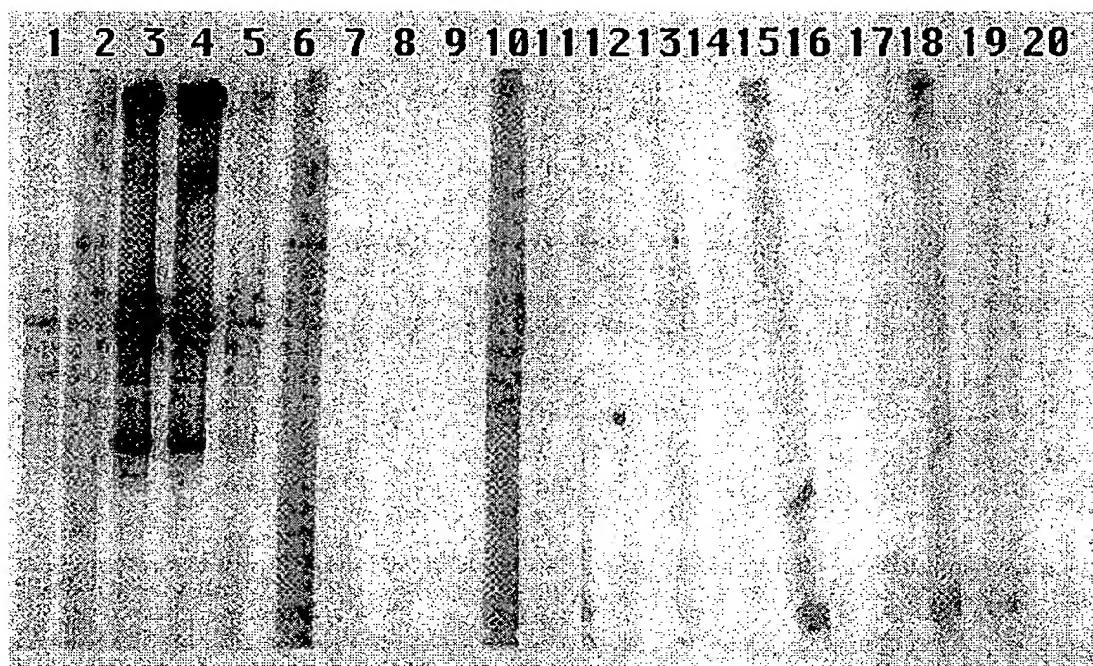


Fig. 5

BI254	.....	AGDTDREA GGPGSGTVGP.	.....	.....
BI1053	.....	GDTDREA GGPGSGTVGP.	.....	.....
BI2227	.....	AGDTDREA GGPGSGTVGP.	.....	SEAGGPSEA
BI2259	.....	AGDTDREA GGPGSGTVGP.	.....	SEAGGPSEA
BI2253	.....	EA GGPGSGTVGP.	.....	SEAGGPSEA
GRAC,S	.....	GDTDREA GGPGSGTVGP.	.....	SEAGG PSEAGGPSEA
FISH,S	.....	AGDTDREA GGPGSGTVGPS	SAGGPSEAGG	PSEAGGPSEA
MN1HAM	.....	AGDTDREA GGPGSGTVGP.	.....	SEA
MN2	.....	AGDTDREA GGPGSGTVGP.	.....	.....
MN1PAT	.....	AGDTDREA GGPGSGTVGP.	.....	SEA
Bmni-6	YITLFLMSGA	VFAGDTDREA GGPGSGTVGP.	.....	.....
MN3	.....	AGDTDREA GGPGSGTVGP.	.....	SEAGGPSEA
MR.T	.....	AGDTDREA GGPGSGTVGP.	.....	SEAGGPSEA
	51			100
BI254	...SEAGGPS	EAGGPSGTVG PSEAGGPSEA GGPGSGTGWPS	EAGGPSGTVG	
BI1053	...SEAGGPS	EAGGPSGTVG PSEAGGPSEA GGPGSGTGWPS	EAGGPSGTVG	
BI2227	GGPSEAGGPS	EAGGPSEAGG PSEAGGPSEA GGPSEAGGPS	EAGGPSEAGW	
BI2259	GGPSEAGGPS	EAGGPSEAGG PSEAGGPSEA GGPSEAGGPS	EAGGPSEAGW	
BI2253	GGPSEAGGPS	EAGGPSEAGG PSEAGGPSEA GGPSEAGGPS	EAGGPSEAGW	
GRAC,S	GGPSEAGGPS	EAGGPSEAGG PSEAGGPSEA GGPSEAGGPS	EAGGPSEAGW	
FISH,S	GGPSEAGGPS	EAGGPSEAGG PSEAGGPSEA GGPSEAGGPS	EAGGPSEAGW	
MN1HAM	GGPSEAGGPS	EAGGPSEAGG PSEAGGPSEA GGPSEAGGPS	EAGGPSGTGW	
MN2	...SEAGGPS	EAGGPSEAGG PSEAGGPSEA GGPSEAGGPS	EAGGPSGTGW	
MN1PAT	GGPSEAGGPS	EAGGPSEAGG PSEAGGPSEA GGPSEAGGPS	EAGGPSGTGW	
Bmni-6	GGPSEAGGPS	EAGGPSEAGG PSEAGGPSEA GGPSHAGGPS	EAGGPSGTGW	
MN3	GGPSEAGGPS	EAGGPSEAGG PSEAGGPSEA GGPSEAGGPS	EAGGPSGTGW	
MR.T	GGPSEAGGPS	EAGGPSEAGG PSEAGGPSEA GGPSEAGGPS	EAGGPSGTGW	
	101			
BI254	PSEAGGP.....	S EAGGPSGTGW PSGTGWSEV GWPSERFQYQ		
BI1053	PSEAGGP.....	S EAGGPSGTGW PSGTGWSEV GWPSERFQYQ		
BI2227	PSEAGWPSEA	GGPGSGTGWPS EAGWPSEAGW PSEAGWPSEA GW.....		
BI2259	PSEAGWPSEA	GGPGSGTGWPS EAGWPSEAGW PSEAGWPSEA GWPSERFQYQ		
BI2253	PSEAGWPSEA	GGPGSGTGWPS EAGWPSEAGW PSEAGWPSEA GWPSERFQYQ		
GRAC,S	PSEAGWPSEA	GGPGSGTGWPS EAGWPSEAGW PSEAGWPSEA GWPSERFQYQ		
FISH,S	PSEAGWPSEA	GGPGSGTGWPS EAGWPSEAGW PSEAGWPSEA GWPSERFQYQ		
MN1HAM	PSEAGWP.....	S EAGWPSEAGW PSEAGWPSEA GWPSERFQYQ		
MN2	PSEAGWP.....	S EAGWPSEAGW PSEAGWPSEA GW.....		
MN1PAT	PSEAGWP.....	S EAGWPSEAGW PSEAGWPSEA GWPSERFQYQ		
Bmni-6	PSEAGWP.....	S EAGWPSEAGW PSEAGWPSEA GWPSERFQYQ		
MN3	PSEAGWP.....	S EAGWPSEAGW PSEAGWPSEA GWPSERFQYQ		
MR.T	PSEAGWP.....	S EAGWPSEAGW PSEAGWPSEA GWPSERFQYQ		

Fig. 6A

	151	177
BI254	LLWYSRRIVI	
BI1053	LLWYSRRIVI	
BI2227	.....
BI2259	LLWYSRRIVI	
BI2253	.....
GRAC,S	LLWYS.....	
FISH,S	.....
MN1HAM	LLWYSRRIVI	
MN2	.....
MN1PAT	LLWYS.....	
Bmni-6	LLWYSRRIVI FNEIYLSHIY EHSVML	
MN3	LLWYSR.....	
MR.T	LLWYSR.....	

Fig. 6B